

STATE OF MICHIGAN



JOHN ENGLER, Governor
DEPARTMENT OF ENVIRONMENTAL QUALITY

"Better Service for a Better Environment"

HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973

INTERNET: www.deq.state.mi.us

RUSSELL J. HARDING, Director

January 24, 2001



CERTIFIED MAIL

City of Corunna
402 North Shiawassee Street
Corunna, MI 48817

Ladies and Gentlemen:

Our records indicate that you are the owner of the Corunna Dam, Dam ID 379, in Shiawassee County. This dam meets the size criteria specified in Part 315, Dam Safety, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Your dam is classified as having a significant hazard potential based upon the degree of development downstream of its location. Section 31518 requires owners of significant hazard potential dams to complete dam safety inspection reports once every four years.

An inspection report for your dam is required to be submitted to this office by December 31, 2001. Inspection reports must be prepared, signed, and sealed by a professional engineer licensed in Michigan and must include:

1. An evaluation of the dam's condition, spillway capacity, operational adequacy, and structural integrity.
2. A determination of whether deficiencies exist that could lead to the failure of the dam.
3. Recommendations for maintenance, repair, and alterations of a dam as are necessary to eliminate any deficiencies.

Instead of engaging a licensed professional engineer, local units of government may request the Department of Environmental Quality (DEQ) to inspect their dam, and prepare a report as outlined above. Should you decide to have the DEQ inspect your dam, please notify this office, in writing, by March 1, 2001.

Please have the engineer you engage to prepare the inspection report submit the enclosed form to the Hydrologic Studies Unit, Land and Water Management Division (LWMD). The request may also be made on our website at: http://www.deq.state.mi.us/lwm/water_mgmt/hsu/hsu.html. The design flood flow to be used in evaluating the spillway capacity of your dam is the greater of the 200-year (0.5 percent chance) flood or the flood of record.

The design flow, which this office will provide to your engineer, will typically be a peak inflow to the dam's impoundment. In some cases, it may be possible to attenuate this flood peak by accounting for available flood storage in the impoundment. This flood routing is usually done by computer modeling. Your engineer may make this determination, or provide this office with the necessary

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information to do the flood routing. We will provide a timely response so that the results can be included in the inspection report. If flood routing is required to demonstrate that the dam has adequate spillway capacity, the report will not be considered complete without it.

A list of consulting engineers offering services in dam safety may be found on our website at http://www.deq.state.mi.us/lwm/water_mamt/dams/dams.html. Copies of Part 315 and its administrative rules may be found there as well. Printed copies of Part 315 are also available upon request.

If you are not the owner of this dam, or you think that your dam may not meet the size criteria for regulation by Part 315, or you have any questions in this regard, please contact Mr. Paul Wessel, P.E., Dam Safety Program, LWMD, at 517-335-6748.

Sincerely,

Byron Lane, P.E., Chief
Dam Safety Program
Land and Water Management Division
517-241-9862

Enclosure

cc: Mr. Paul Wessel, DEQ